

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
04873/074001SERIAL NO.  
09/047,011INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Paul Dvorkis et al.FILING DATE  
March 24, 1998GROUP  
2112

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	7	4	2	0	3	8	04/21/98	Dvorkis et al.			
	AB	5	5	9	1	9	5	4	01/07/97	Spencer			
	AC	5	4	4	0	1	1	1	08/08/95	Eastman et al.			
	AD	5	4	2	0	4	1	1	05/30/95	Salatto, Jr. et al.			
	AE	5	3	3	2	8	9	2	07/26/94	Li et al.			
	AF	5	2	8	0	1	6	1	01/18/94	Niwa			
	AG	5	2	5	0	7	9	1	10/05/93	Heiman, et al.			
	AH	5	2	3	5	1	6	7	08/10/93	Dvorkis, et al.			
	AI	5	2	2	9	5	9	1	07/20/93	Heiman, et al.			
	AJ	5	2	1	8	1	9	0	06/08/93	Hardesty, et al.			
	AK	5	2	0	0	5	9	7	04/06/93	Eastman et al.			
	AL	5	1	9	4	7	2	0	03/16/93	Reinnagel, et al.			
	AM	5	1	7	0	2	7	7	12/08/92	Bard et al.			
	AN	5	1	1	5	3	3	4	05/19/92	Tomita			
	AO	5	0	8	1	6	3	9	01/14/92	Synder et al.			
	AP	5	0	7	3	9	5	4	12/17/91	Van Tyne, et al.			
	AQ	5	0	6	7	0	9	3	11/19/91	Przybylowicz, et al.			
	AR	5	0	6	4	2	5	8	11/12/91	Inokuchi, et al.			
	AS	5	0	4	7	6	1	7	09/10/91	Shepard, et al.			
	AT	5	0	3	4	9	0	4	07/23/91	Moy			
	AU	5	0	1	5	8	3	1	05/14/91	Eastman et al.			
	AV	5	0	1	3	8	9	5	05/07/91	Iggulden, et al.			
	AW	4	9	9	2	6	4	9	02/12/91	Mampe, et al.			
	AX	4	9	8	0	5	4	4	10/25/91	Winter			
	AY	4	9	3	3	5	3	8	06/12/90	Heiman, et al.			
	AZ	4	9	1	6	2	9	8	04/10/90	Raphael			
	AAA	4	8	9	6	0	2	6	01/23/90	Krichever, et al.			

10/05/98  
10/05/98  
01/16/02

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-	BA	4	8	9	4	7	9	0	01/16/90	Yotsuya, et al.			
	BB	4	8	6	0	2	2	6	08/22/89	Martin, et al.			
	BC	4	8	4	1	1	2	9	06/20/89	Tawara et al.			
	BD	4	8	2	6	2	6	9	05/02/89	Streifer, et al.			
	BE	4	8	2	5	0	4	8	04/05/89	Poland			
	BF	4	8	2	2	9	8	6	04/18/92	Guthmueller, et al.			
	BG	4	8	2	0	9	1	1	04/11/89	Arackellian, et al.			
	BH	4	7	9	5	2	8	1	01/03/89	Ulinksi, Sr., et al.			
	BI	4	7	7	7	3	5	7	10/11/88	Harada, et al.			
	BJ	4	7	2	1	8	6	0	01/26/88	Troendle			
	BK	4	7	0	5	9	3	9	11/10/87	Uliniski, Sr.			
	BL	4	6	5	2	7	5	0	03/24/87	Eastman, et al.			
	BM	4	6	4	1	0	1	8	02/03/87	Mazumder, et al.			
	BN	4	6	0	6	6	6	0	08/19/86	Bradshaw, et al.			
	BO	4	5	7	0	0	5	7	02/11/86	Chadima, Jr., et al.			
	BP	4	5	6	0	8	6	2	12/24/85	Eastman et al.			
	BQ	4	5	5	5	1	6	4	11/26/85	Feinbloom			
	BR	4	5	3	8	8	9	5	09/03/85	Higgins, et al.			
	BS	4	5	0	8	6	8	6	04/02/85	Shaber, et al.			
	BT	4	5	0	0	7	7	6	02/19/85	Laser			
	BU	4	3	6	9	3	6	1	01/18/83	Swartz, et al.			
	BV	4	3	6	0	7	9	8	11/23/82	Swartz, et al.			
	BW	4	1	9	9	8	1	6	04/22/80	Humphrey			
	BX	3	8	7	1	7	4	8	03/18/75	Day			
	BY	3	7	9	0	7	5	6	02/05/74	Graves, et al.			
	BZ	3	7	8	0	2	7	0	10/18/73	Faulkner, et al.			
	BAA	3	3	9	6	3	4	4	08/06/68	Broom			
	BAB	3	0	5	1	0	5	1	08/28/62	Jeffree			

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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
-	CA						
	CB						
	CC						
	CD						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CE	WO 94/01835	01/20/94	PCT				
	CF	WO 93/18478	09/16/93	PCT				
	CG	0 589 361	03/30/94	Europe				
	CH	0 492 065	01/07/92	Europe				
	CI	0 385 478	09/05/90	Europe				
	CJ	0 249 713	12/23/87	Europe				
	CK	3602008	07/30/87	Germany				ABSTRACT
	CL	0198175	08/29/91	Japan				YES
	CM	3-127191	05/30/91	Japan				ABSTRACT
	CN	1-93871	04/12/89	Japan				YES
	CO	61-120283	06/07/86	Japan				ABSTRACT
	CP	55-88172	07/03/80	Japan				ABSTRACT


## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

CQ	"Quick Check 500" Brochure, Photographic Sciences, 2 pages, 1989		
CR	Barkan, Automatic I.D. News, "Author Verifies the Key to Bar Coding Success", (Nov. 1988)		
CS	Grabowski, et al., "Code Reading Mechanical Scanning Gun", IBM Technical Disclosure Bulletin, Vol. 5, No. 5		
	October 1962		

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EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AA		5	4	3	8	1	8	7	08/01/95	Reddersen et al.	235	462	10857 U.S. PTO 10/050625  01/16/02
AB		5	3	0	4	7	8	8	04/19/94	Metlitsky et al.	235	467	
AC		5	2	9	1	3	1	9	03/01/94	Harris	359	18	
AD		5	2	5	4	8	4	4	10/19/93	Krichever et al.	235	462	
AE		5	2	3	3	1	7	0	08/03/93	Metlitsky et al.	235	462	
AF		5	2	1	0	3	9	8	05/11/93	Metlitsky	235	462	
AG		4	7	4	8	3	1	6	05/31/88	Dickson	235	454	
AH													
AI													
AJ													
AK													
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
												YES	NO
	AL	60-195639						3/1984	Japan			abstract	
	AM												
	AN												
	AO												
	AP												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	AQ	Yamazaki et al, "New Holographic Technology for a Compact POS Scanner," Applied Optics, Vol. 29, No. 11 (April 1990)											
	AR												
	AS												
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	AA	5	6	7	1	0	8	4	09/23/97	Kurtz	359	362	
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												
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		DOCUMENT NUMBER				PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION			
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	AM												
	AN												
	AO												
	AP												
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	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	AL	6-150039	5/1994	Japan			Abstract
	AM						
	AN						
	AO						
	AP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	AQ						
	AR						
	AS						
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